

VOLTAGE RANGE **20 to 200 Volts**
CURRENT **2.0 Ampere**

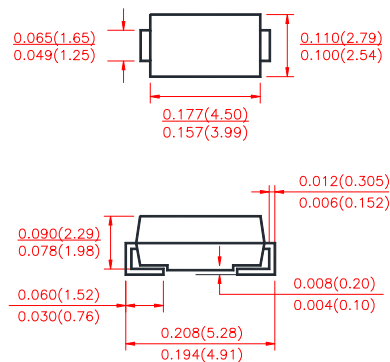
FEATURES

- Low profile surface mount package
- Built in strain relief
- High switching speed
- Low voltage drop, high efficiency
- For use in low voltage high frequency inverters, Free willing ,and polarity protection applications
- Guardring for over voltage protection

MECHANICAL DATA

- Case: Transfer molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead :Solder plated, solderable per MIL-STD-750 method 2026
- Polarity: Color band denotes cathode end
- Weight: 0.003 ounce, 0.093 gram

DO-214AC(SMA)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified.
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%.

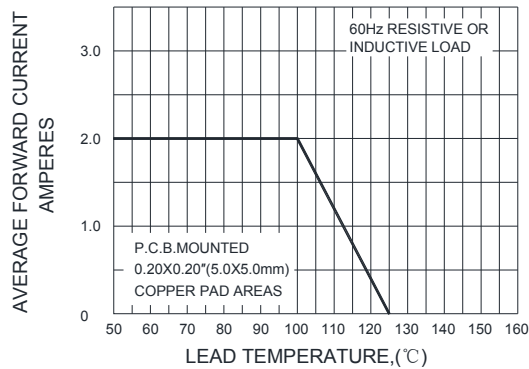
		SYMBOL	SS 22A	SS 23A	SS 24A	SS 25A	SS 26A	SS 28A	SS 29A	SS 210A	SS 215A	SS 220A	UNIT
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	20	30	40	50	60	80	90	100	150	200	Volts
Maximum RMS Voltage		V _{RMS}	14	21	28	35	42	56	63	70	105	140	Volts
Maximum DC Blocking Voltage		V _{DC}	20	30	40	50	60	80	90	100	150	200	Volts
Maximum Average Forward Rectified Current at T _L see figure 1 T _L =105℃		I _(AV)	2.0										Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	50										Amps
Maximum Instantaneous Forward Voltage @ 2.0A(Note1)		V _F	0.50	0.55	0.70	0.85			0.90			Volts	
Maximum DC Reverse Current at rated DC Blocking Voltage per element	T _A = 25℃	I _R	0.5										mA
	T _A = 100℃		20					10					
Typical Thermal Resistance (Note 2)		R _{θJA}	55										℃/W
		R _{θJL}	12										
Operating Junction Temperature		T _J	-55 to +125										℃
Storage Temperature Range		T _{STG}	-55 to +150										℃

Notes:

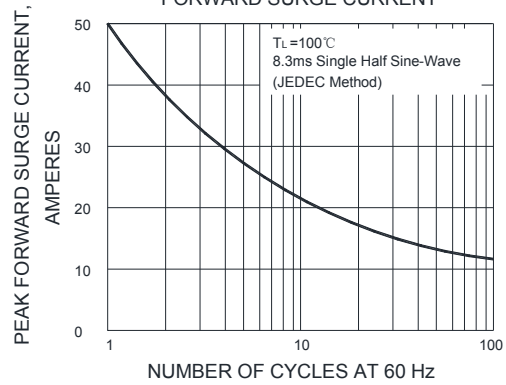
1. Pulse test: 300 μs pulse width, 1% duty cycle
2. PCB mounted with 0.2" $\times$ 0.2" (5.0mm $\times$ 5.0mm) copper pads

SYMBOLS	SS 22A	SS 23A	SS 24A	SS 25A	SS 26A	SS 28A	SS 29A	SS 210A	SS 215A	SS 220A
MARKING	SS22	SS23	SS24	SS25	SS26	SS28	SS29	SS210	SS215	SS220

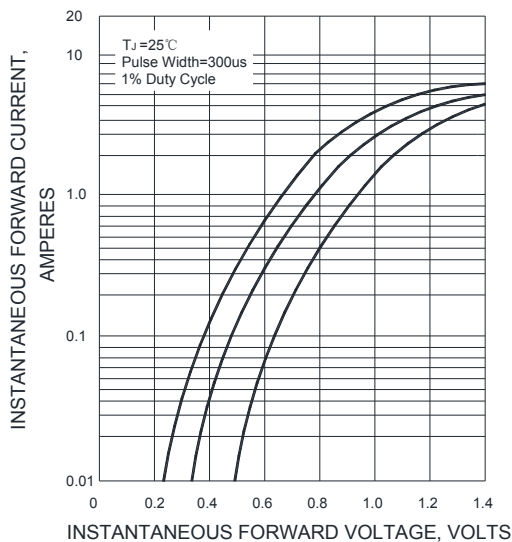
**F1G.1-FORWARD CURRENT
DERATING CURVE**



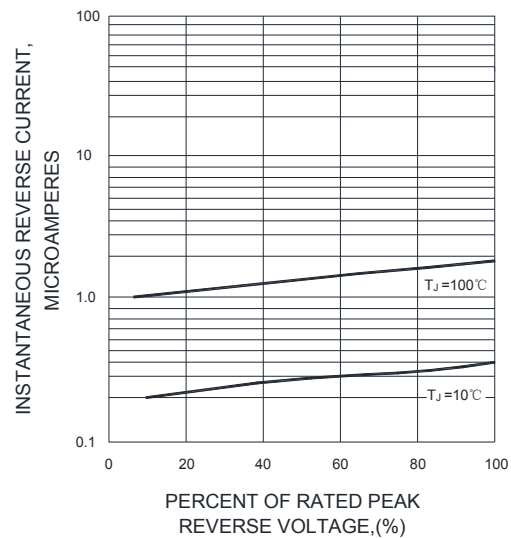
**F1G.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT**



**F1G.3-TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS**



F1G.4-TYPICAL REVERSE CHARACTERISTICS



F1G.5-TYPICAL JUNCTION CAPACITANCE

